

10/691,328

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	360	(556/58).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/04/05 16:54
L2	280	(556/32).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/04/05 16:58
L3	489	(556/57).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/04/05 17:57
L4	2024	(502/152).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/04/05 18:19
L5	1358	(502/155).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/04/05 18:31
L6	1350	(502/162).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/04/05 18:48
L7	342	(548/402).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/04/05 18:49

(FILE 'HOME' ENTERED AT 16:25:23 ON 05 APR 2006)

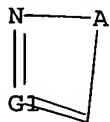
FILE 'REGISTRY' ENTERED AT 16:25:34 ON 05 APR 2006

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 Mo,W

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 16:25:56 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 3469 TO ITERATE

57.7% PROCESSED 2000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 65848 TO 72912
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 16:26:01 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 67551 TO ITERATE

100.0% PROCESSED 67551 ITERATIONS 10 ANSWERS
SEARCH TIME: 00.00.01

L3 10 SEA SSS FUL L1

=> fil caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	166.94	167.15

FILE 'CAPLUS' ENTERED AT 16:26:07 ON 05 APR 2006

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=> s 13

L4 4 L3

=> d 1-4 bib abs

L4 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2003:22240 CAPLUS

DN 139:22295

TI A novel synthesis of metallocgermacyclopropane and molybdenum
bis(iminophosphorano)carbene complexes from bisgermavinylidene

AU Leung, Wing-Por; So, Cheuk-Wai; Wang, Jin-Zhi; Mak, Thomas C. W.

CS Department of Chemistry, The Chinese University of Hong Kong, Shatin,
Peop. Rep. China

SO Chemical Communications (Cambridge, United Kingdom) (2003), (2), 248-249
CODEN: CHCOFS; ISSN: 1359-7345

PB Royal Society of Chemistry

DT Journal

LA English

OS CASREACT 139:22295

AB The reaction of bisgermavinylidene [(Me₃SiN:PPh₂)₂C:Ge Ge:C(PPh₂:NSiMe₃)₂]
(1) with M(CO)₅(THF) (M = Cr, W, Mo) afforded the
metallagermacyclopropane [(Me₃SiN:PPh₂)₂CGeM(CO)₃{M(CO)₅}] [M = W (2), Cr
(3), Mo (4)]; in one of the reactions, compound 4 reacts further to give a
pincer carbene complex [(CO)₃Mo{C(Ph₂P:NSiMe₃)₂}] (5); the x-ray
structures of compds. 2 and 5 were determined

RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1995:833778 CAPLUS

DN 124:56189

TI Metal-carbon multiple bonds: [2+2] cycloaddition of nitrilium salts across
a metal-carbon triple bond; synthesis and structure of iminocarbene
complexes of tungsten

AU Filippou, Alexander C.; Lungwitz, Bernhard; Voelkl, Christian; Herdtweck,
Eberhardt

CS Institut fuer Anorganische und Allgemeine Chemie der Humboldt-Universitaet
zu Berlin, Hessischestr. 1-2, Berlin, D-10115, Germany

SO Journal of Organometallic Chemistry (1995), 502(1-2), 131-5

CODEN: JORCAI; ISSN: 0022-328X

PB Elsevier

DT Journal

LA English

OS CASREACT 124:56189

AB The aminocarbyne complex Cp*(CO)₂W.tplbond.CNet₂ (Cp* = C₅Me₅) (1)
undergoes a selective [2+2] cycloaddn. reaction with the nitrilium salt
[MeC.tplbond.NMe]BF₄ to afford the iminocarbene complex
[Cp*(CO)₂W{C(NET₂)C(Me):NMe}]BF₄ (2). Alternatively, the analogous
iminocarbene complexes [Cp*(CO)₂W{C(NMe₂)C(Me):NET}]BF₄ (5: M = Mo; 6: M
= W) can be obtained by methylation of the η²-1,4-diaza-3-
methylbutadien-2-yl complexes Cp*(CO)₂M[C(NMe)₂C(Me)NET] (3: M = Mo; 4: M =
W) with [Me₃O]BF₄. The solid-state structure of 2 suggests the presence
of an η³-bonded iminocarbene ligand and reveals a close electronic
relationship between 2, 5 and 6 and MoII or WII η³-vinylcarbene
complexes.

L4 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1978:37925 CAPLUS

DN 88:37925

TI Isocyanide insertion reactions. 1. The importance of η²-iminoacyl
ligands as intermediates

AU Adams, Richard D.; Chodosh, Daniel F.

CS Dep. Chem., Yale Univ., New Haven, CT, USA

SO Journal of the American Chemical Society (1977), 99(20), 6544-50

DT Journal

LA English

AB The reaction of isocyanides (η^5 -C₅H₅)M(CO)_{3-x}-(CNR)_x (M = Mo, R = CH₃, x = 1, 2; M = Mo, R = C₆H₅, x = 1; and M = W, R = CH₃, x = 1) with MeI have been investigated. The products include the compds. (η^5 -C₅H₅)Mo(CO)₂(η^2 -CH₃CNCH₃) (I) and (η^5 -C₅H₅)Mo(CO)₂(η^2 -CH₃CNC₆H₅) (II), which contain novel dihapto iminoacyl ligands. Reaction of the tungsten anion produces the complex (η^5 -C₅H₅)W(CO)₂(CNCH₃)(CH₃), in which the methyl group is attached to the tungsten atom. Complexes I and II readily add the ligands tetracyanoethylene, trimethyl phosphite, and triphenylphosphine to the metal atoms in a process that converts the η^2 -iminoacyl group into an η^1 -iminoacyl group. Addition of iodide ion to I ultimately leads to formation of the complex (η^5 -C₅H₅)Mo(CO)₂(I)[C(CH₃)(NHCH₃)], which contains a methyl(methylamino)carbene ligand. Reaction of the anion, (η^5 -C₅H₅)Mo(CO)(CNCH₃)₂⁻, with methyl iodide produces the complex (η^5 -C₅H₅)Mo(CO)I[C(N(CH₃)₂)C(CH₃)N(CH₃)]. This compound was investigated by crystal structure anal. Attached to the molybdenum atom is a slightly skewed pentahapto cyclopentadienyl ring, a linear carbonyl group, and an iodine atom. The most interesting feature is a complex polyhapto carbon-nitrogen containing ligand that has been interpreted as an iminodimethylaminocarbene. All the reaction products have been explained through a scheme that involves a uniform series of addns. and facile isocyanide insertion rearrangements.

L4 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1976:591784 CAPLUS

DN 85:191784

TI Isocyanide insertion rearrangements and their bonding to transition metal atoms

AU Adams, Richard D.; Chodos, Daniel F.

CS Chem. Dep., Yale Univ., New Haven, CT, USA

SO Journal of the American Chemical Society (1976), 98(17), 5391-3

CODEN: JACSAT; ISSN: 0002-7863

DT Journal

LA English

AB Treatment of (η^5 -C₅H₅)Mo(CO)(CNMe)₂⁻ (I) with MeI in THF gave (η^5 -C₅H₅)Mo(CO)(CNMe)₂Me₂ (II). The mechanism involved initial methylation of I at the Mo atom, 2 sequential iodide and solvent promoted isocyanide insertions, followed by rearrangement and incorporation of the more remotely positioned imine function into the Mo bonding sphere, and finally methylation of the other imine group at the N atom to give an Me₂N unit. The reactions of (η^5 -C₅H₅)W(CO)₂CNMe⁻ or (η^5 -C₅H₅)Mo(CO)₂CNMe⁻ with MeI and the crystal structure of II supported this mechanism.

(FILE 'HOME' ENTERED AT 16:21:34 ON 05 APR 2006)

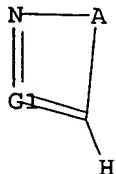
FILE 'REGISTRY' ENTERED AT 16:22:01 ON 05 APR 2006

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 Mo,W

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 16:22:34 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 3469 TO ITERATE

57.7% PROCESSED 2000 ITERATIONS

0 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 65848 TO 72912

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 16:22:41 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 67551 TO ITERATE

100.0% PROCESSED 67551 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

L3 0 SEA SSS FUL L1